Music, Math, and Mind

The Physics and Neuroscience of Music

Autor
David Sulzer

Sinopsis

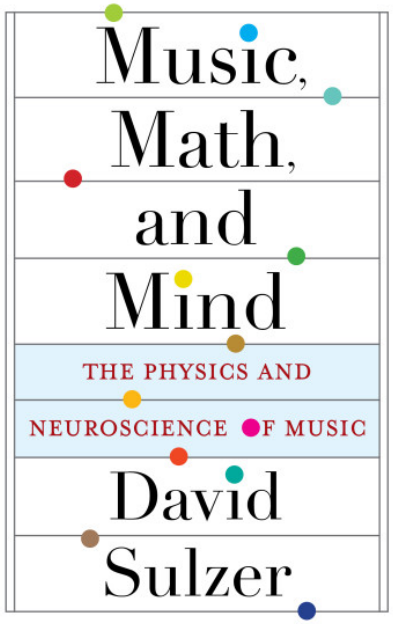
“Every page of this book has a fascinating connection between the universal joy we find in music and some biological or mathematical fact. Only David Sulzer, a neurobiologist who is a master composer and musician, could have written this wonderful book.”—ROALD HOFFMANN, author and recipient of the Nobel Prize in Chemistry“If you ever suspected that musicians belonged to a secret society, this is the book that blows the mysteries wide open. Using a potent cocktail of math, physics, history, biology, and neurology, Dave Sulzer explains why music is the medicine most of us can’t live without.”—PETER GABRIEL“This is an amazing book. Readers will come back to it again and again for its clear explanations, breadth of content, and ‘listening’ advice. Importantly, it includes a chapter on animals, acknowledging that the sophisticated production and perception of music is not limited to humans.”—SUSAN SAVAGE-RUMBAUGH, primatologist and psychologist



Sobre el autor

David Sulzer

is a professor in the Departments of Psychiatry, Neurology, and Pharmacology at Columbia University Medical Center.



Escanea para ver en línea

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His laboratory has made important contributions to the study of brain mechanisms involved in autism, Parkinson’s disease, drug addiction, and learning and memory. He is also a composer and performer under the name Dave Soldier who has worked with many major figures in the classical, jazz, and pop worlds, appearing on over one hundred records. Some of his projects bridge music and neuroscience, including the Thai Elephant Orchestra, an orchestra of fourteen elephants in northern Thailand, and the Brainwave Music Project, which uses EEGs of brain activity to create compositions.

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